

FIG. 1

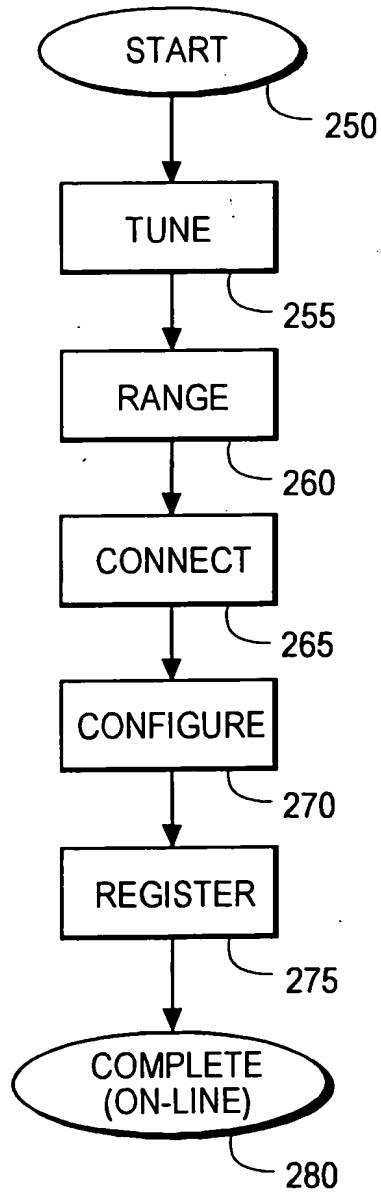


FIG. 2

KEY

○ OFF ● ON ✕ FLASHING

CM	CABLE MODEM
CMTS	CABLE MODEM TERMINATION SYSTEM
DOCSIS	DATA OVER CABLE SERVICE INTFCE SPEC.
DHCP	DYNAMIC HOST CONFIGURATION PROTOCOL
DS	DOWNSTREAM
LED	LIGHT EMITTING DIODE
TFTP	TRIVIAL FILE TRANSFER PROTOCOL
TIME	INTERNET TIME PROTOCOL
US	UPSTREAM

INDICATOR	DOCSIS EVENTS	STATE	SIGNIFICANCE WHEN COMPLETED
<div> <div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> </div> <div> </div> </div> <div> <div>LED 1</div> <div>FLASHING</div> </div>	<div>* FIND DS CM CHANNEL</div> <div>* LEARN SYSTEM TIMING</div>	TUNING	<div>CM OPERATIONAL</div> <div>DS CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>~ 300</div>
<div> <div> <div>×</div> <div>×</div> <div>○</div> <div>○</div> <div>○</div> </div> <div> <div>LEDs 1,2</div> <div>FLASHING</div> </div> </div>	<div>* LEARN US CHANNELS</div> <div>* LEARN US TRANSMISSION TIMES</div> <div>* ITERATE US TRANSMISSION LEVEL TO TARGET</div>	RANGING	<div>CM OPERATIONAL</div> <div>DS CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>US CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>~ 305</div>
<div> <div> <div>×</div> <div>×</div> <div>×</div> <div>○</div> <div>○</div> </div> <div> <div>LEDs 1,2,3</div> <div>FLASHING</div> </div> </div>	<div>* GET INFO FROM DHCP SERVER</div>	CONNECTING	<div>CM OPERATIONAL</div> <div>DS CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>US CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>DHCP PROCESS FUNCTIONAL</div> <div>~ 310</div>
<div> <div> <div>×</div> <div>×</div> <div>×</div> <div>×</div> <div>○</div> </div> <div> <div>LEDs 1,2,3,4</div> <div>FLASHING</div> </div> </div>	<div>* GET DATE/TIME</div> <div>* GET CONFIGURATION FILE</div>	CONFIGURING	<div>CM OPERATIONAL</div> <div>DS CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>US CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>DHCP PROCESS FUNCTIONAL</div> <div>TIME PROCESS FUNCTIONAL</div> <div>TFTP, CONFIG FILE PROCESSES FUNCTIONAL</div> <div>~ 315</div>
<div> <div> <div>×</div> <div>×</div> <div>×</div> <div>×</div> <div>×</div> </div> <div> <div>LEDs 1,2,3,4,5</div> <div>FLASHING</div> </div> </div>	<div>* REPORT "AS-CONFIGURED"</div> <div>* GET ON-LINE GO-AHEAD</div>	REGISTERING	<div>CM OPERATIONAL</div> <div>DS CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>US CMTS & CABLE</div> <div>PLANT OPERATIONAL</div> <div>DHCP PROCESS FUNCTIONAL</div> <div>TIME PROCESS FUNCTIONAL</div> <div>TFTP, CONFIG FILE PROCESSES FUNCTIONAL</div> <div>REGISTRATION COMPLETED; CM ON-LINE</div> <div>~ 320</div>
<div> <div> <div>●</div> <div>●</div> <div>●</div> <div>○</div> <div>○</div> </div> <div> <div>LEDs 1,2,3</div> <div>ON STEADY</div> </div> </div>	<div>* BECOME "ON-LINE"</div> <div>* FORWARD DATA TO USER PC(S)</div>	ON-LINE	<div>~ 325</div>

FIG. 3

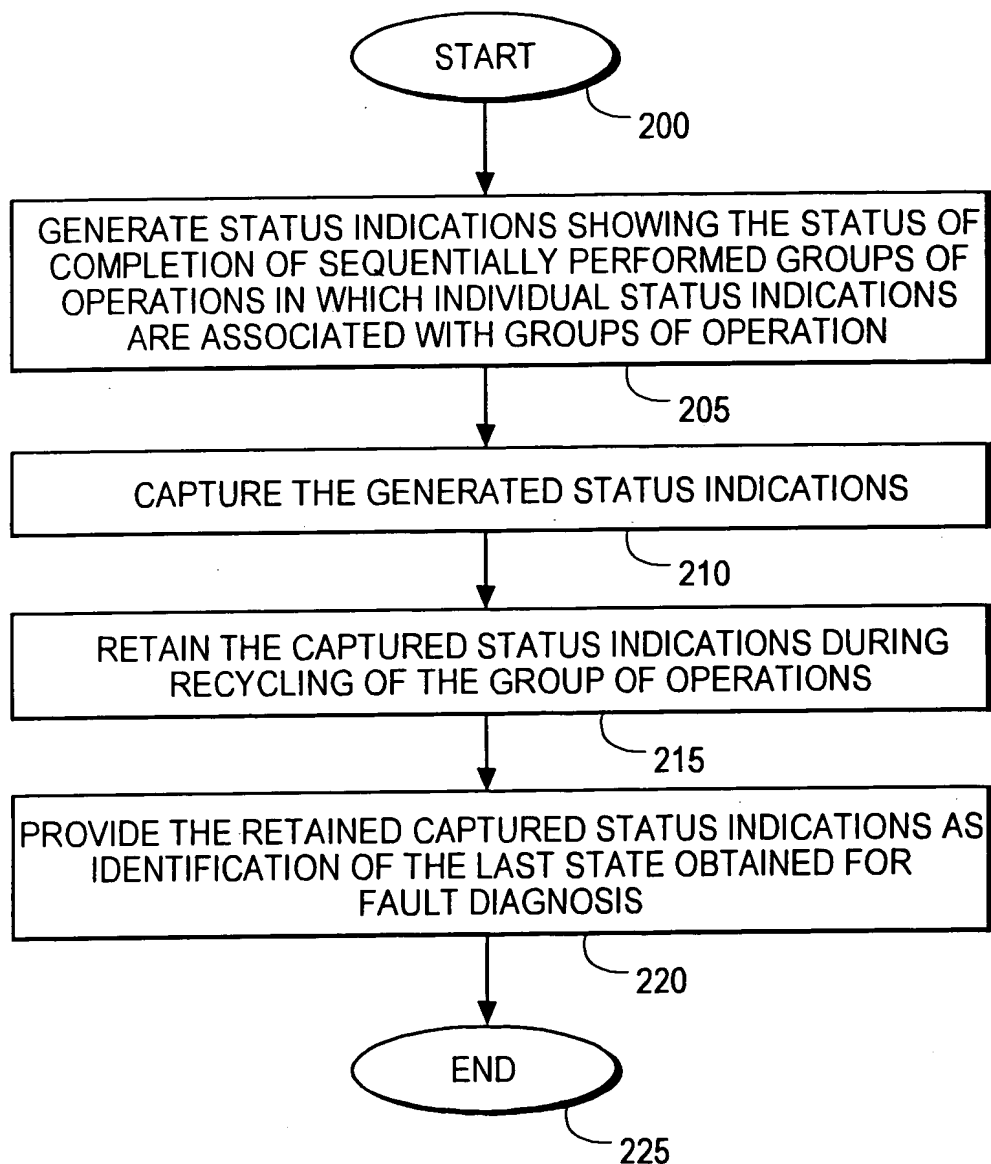


FIG. 4

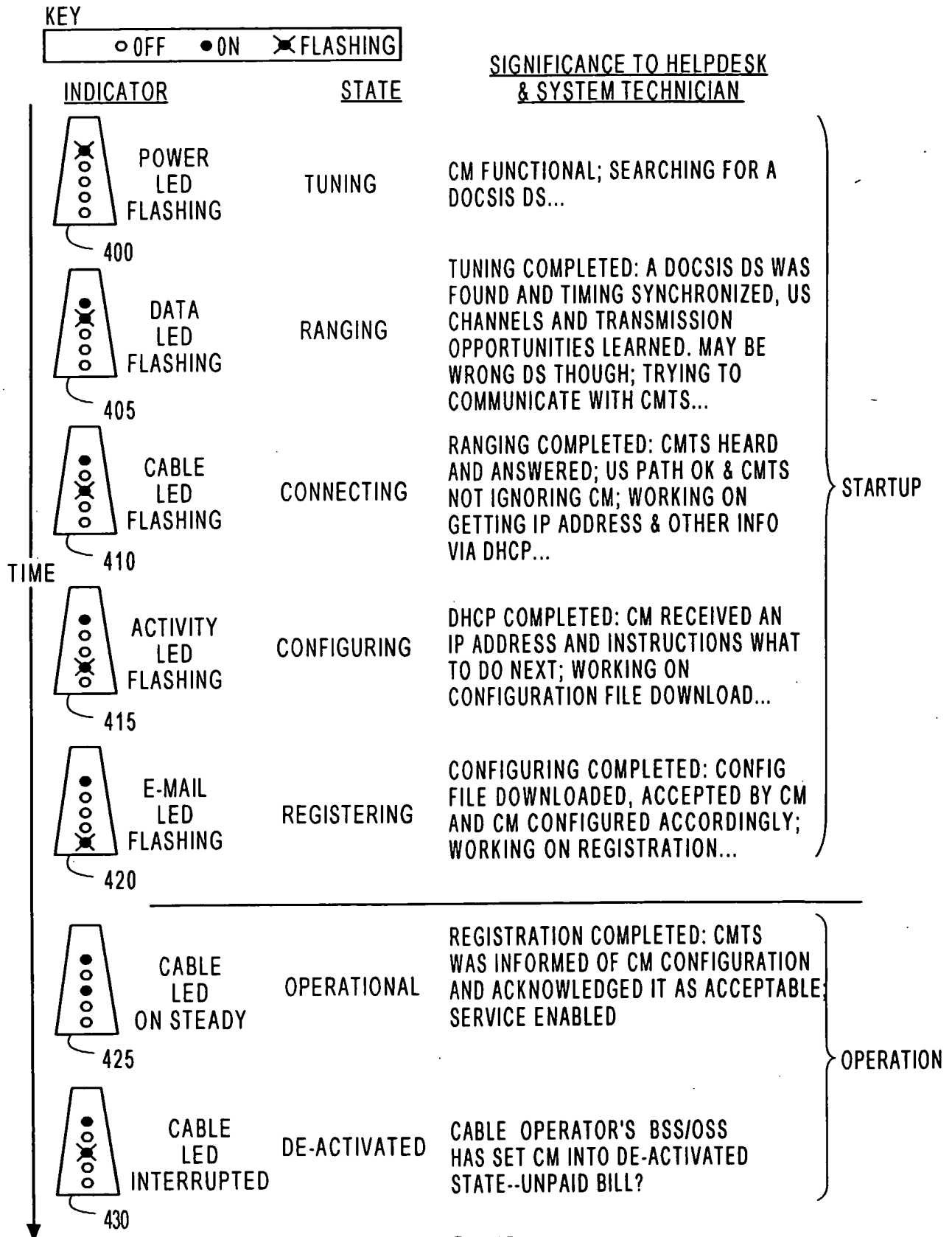


FIG. 5

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